Paper
Paperboard
& Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 60 - No. 10 October, 1982

Paper and Paperboard Production: Mixed Signals

Production of paper and paperboard in September 1982 continued the very modest uptrend it had begun in June. The trend of production, as measured by the two month moving average of the seasonally adjusted data, moved above the five million-ton level in September for the first time since March. Both paper and paperboard production showed the same trend. The trend rate of paper in September, for example, was 2.53 million tons, the highest since the 2.54 million tons shown in April. Paperboard, at 2.48 million tons, was at its highest level since March.

On the basis of the smoothed trend, overall production declined by 3.3% from the first to the second quarter of the year, then rose by 1.5% from the second to the third quarter. The trend of new supply showed a similar pattern, with a decline of 3.6% from the first to the second quarter and an increase of 0.8% from the second to the third quarter. For the entire nine month period, however, total paper and board production was 5.7% below the comparable 1981 total with most of the drop reflected in the second quarter of the year.

The patterns of production and new supply have been strongly influenced by the movements in total economic activity. Manufacturing production in the first nine months of 1982, at an index average of 138.5 (1967=100) was 8.9% below the comparable year-ago level. The real Gross National Product showed a 2.0% decline in the same period. During the year, the movement of real GNP has been relatively small. Real GNP in the third quarter of 1982 was 0.7% ahead of the first quarter level. During this interval, the contribution of business inventories moved from a decline of $15.4 billion (annual rate 1972 prices) in the first quarter to an increase of $0.7 billion in the third quarter, a swing of $16.1 billion. Final sales (GNP less change in business inventories) showed a 0.4% decline during this period. Manufacturing production during that period declined by 1.6%.

More precise measurements of the impact of economic activity on the paper industry are the special demand indexes shown on the yellow industry data sheet. This table shows the demand index

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for paper was down 0.3% in the first nine months of 1982; new supply of paper was down 3%. The demand index for paperboard was down 6.9% in that period and production for domestic use fell 8.5%.

As expected, the pattern of paper production was aligned with that of the real Gross National Product during the first three quarters of 1982, while that of paperboard production moved more in line with manufacturing production. Paper production in the first nine months of 1982 was 3.3% below the comparable year-ago total; total paperboard production was down by 8.0%.

Among the paper grades, the newsprint and the printing/writing grades tended to show a somewhat stronger performance during the first half of the year than the other grades. Newsprint production is presently moving below the rates achieved in the first half of the year, reflecting reductions in inventories of newsprint at publishers. For the first nine months of this year, newsprint production was 2.8% below the year-ago total; earlier this year, newsprint production had shown a small gain relative to its 1981 levels.

The best performance, however, was shown in the printing and writing grades, where the nine month 1982 total was only 2.1% below its comparable 1981 level. One grade, coated paper, was slightly above the year-ago total, although the backlog of unfilled orders at the end of September was down about 22% from its year-ago level.

Production of bleached bristols, which is also included in the printing and writing paper grades, was down 11%, reflecting declines in virtually all the major sub-sectors of this grade. Packaging papers, which include several industrial products, such as multiwall shipping sacks, were down 6.9%. Production of tissue papers, the largest consumer paper product, was down by 3.6%.

The decline in paperboard production was also evident throughout the entire grade structure. Production of containerboard for domestic use showed a 9% decline, while boxboard for domestic use was down 8%. Production for export was down by 3%, with the September level about 8% below the August level. Exports of paperboard in the third quarter of 1982 were about 5% below their first half 1982 average.

The Fibre Box Association reported that shipments of fibre boxes in September amounted to 20.66 billion square feet, the highest level reached since March. On a seasonally adjusted basis, the September rate was slightly below that of both July and August. The FBA data show that the seasonally adjusted trend of production throughout 1982 has fluctuated in the narrow range of 19.1 to 20.2 billion square feet per month, with the September rate near the high end of this range. The nine month 1982 total was 5.8% below the comparable 1981 total. Although shipments declined sharply in

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PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

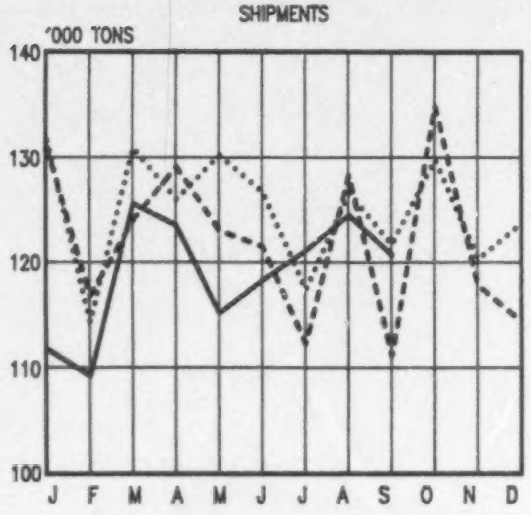
	YEAR 1980	YEAR 1981	JUNE 1982	JULY 1982	AUG. 1982	SEPT 1982	Annual Rate Y-T-D 1982	% Change From same Period Last Year
PAPER					R	P		
Newsprint - Production	4672	5239	423	400	411	386	5089	-2.8
- Shipments	4887	5220	420	386	400	400	5001	-4.0
Printing & Writing	15577	15736	1301	1226	1355	1277	15542	-2.1
Groundwood Paper - Shipments	1488	1483	118	121	124	121	1425	-2.5
- New Orders	1475	1449	113	138	113	124	1447	-2.5
- Unfilled Orders	110	100	98	117	100	105	105	-15.1
Coated Paper - Shipments	4873	4840	431	400	443	422	4980	0.8
- New Orders	4753	4853	432	388	443	388	4801	0.8
- Unfilled Orders	391	380	308	312	307	283	283	-22.3
Unctd Free Sheet - Shipments	8018	7898	840	804	878	827	7801	-2.6
- New Orders	7726	7735	845	810	874	808	7690	-2.1
- Unfilled Orders	548	370	295	304	303	282	282	-30.2
Thin Paper - Shipments	333	336	30	24	27	28	328	-4.0
Cotton Fiber Paper - Shipments	126	125	10	9	10	10	122	-1.2
Bleached Bristols - Production	832	874	71	68	73	72	877	-10.8
Tissue Paper - Production	4375	4518	358	338	378	345	4367	-3.6
Total Packaging & Other Paper *	5571	5550	425	393	469	437	5270	-6.9
Unbl. Kraft Paper - Shipments	3982	3873	291	271	326	307	3654	-7.6
Other Paper - Production *	1609	1678	134	122	144	130	1616	-3.4
TOTAL PAPER-Production-Unadj.	30195	31042	2507	2357	2612	2444	30268	-3.3
-Production-S.A.			2448	2529	2518	2541	30201	-3.3
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	23881	24231	1873	1729	1966	1884	22915	-8.1
Unbl. Kraft Linerboard (1)	14232	14540	1105	1004	1207	1131	13703	-8.6
Production For Export	2380	1887	163	148	170	154	1922	-2.6
Other Unbl. Kraft Paperboard	1083	1082	81	86	85	82	1077	-2.5
Semichemical Paperboard	4723	4718	378	344	350	385	4407	-9.0
Production For Export	322	155	18	17	14	14	182	8.9
Solid Bleached Paperboard	3862	3910	310	295	314	286	3728	-7.0
Production For Export	545	557	48	43	39	38	528	-6.2
Recycled Paperboard	7071	7001	547	494	573	537	6664	-7.4
Production For Export	83	24	1	1	1	1	15	-41.3
TOTAL PAPERBOARD-Prod.-Unadj.	30852	31232	2420	2224	2540	2401	29578	-8.0
- Containerboard Prod.(Dom. Use)	18070	19040	1443	1324	1525	1475	17765	-8.1
- Boxboard Prod.(Dom. Use) (2)	5477	5544	428	394	452	415	5253	-8.0
- All Other P'bd Prod.(D.U.) (2)	4075	4026	319	288	338	304	3915	-8.0
- Total Paperbd Prod. For Export	3329	2622	230	207	224	207	2646	-3.0
TOTAL PAPERBOARD PROD. - S.A.			2338	2326	2451	2517	29301	-8.0
TOTAL PAPER AND PAPERBOARD								
Production - actual	61147	62274	4927	4581	5152	4846	58847	-5.7
Production - S.A.			4786	4855	4970	5038	59502	-5.7

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* Revised series based on A.P.I. data, beginning January, 1981.

P Preliminary
R Revised
S.A. Seasonally Adjusted

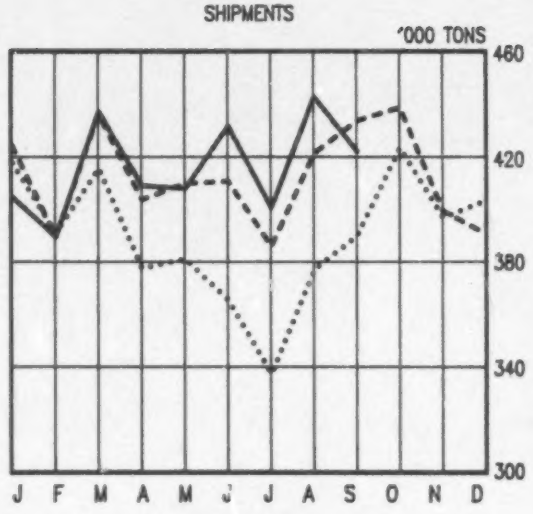
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



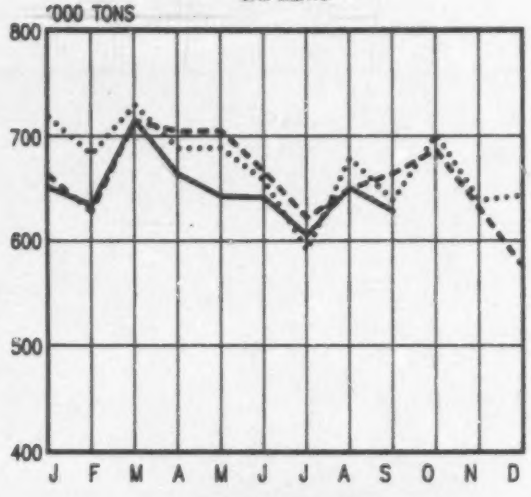
COATED PAPER

SHIPMENTS



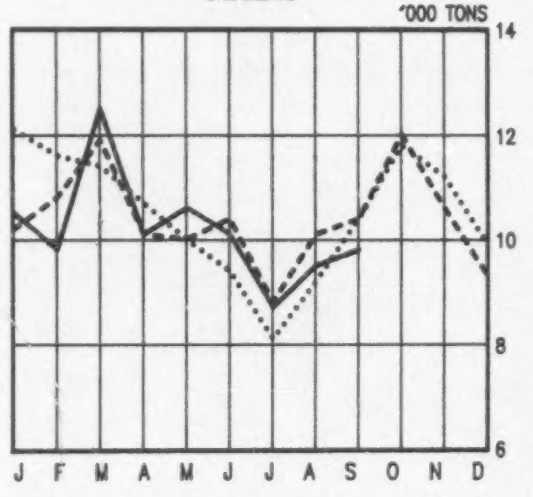
UNCOATED FREE SHEET PAPERS

SHIPMENTS



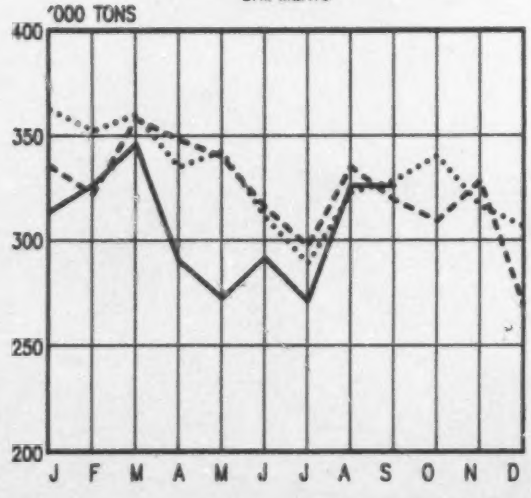
COTTON FIBER PAPER

SHIPMENTS



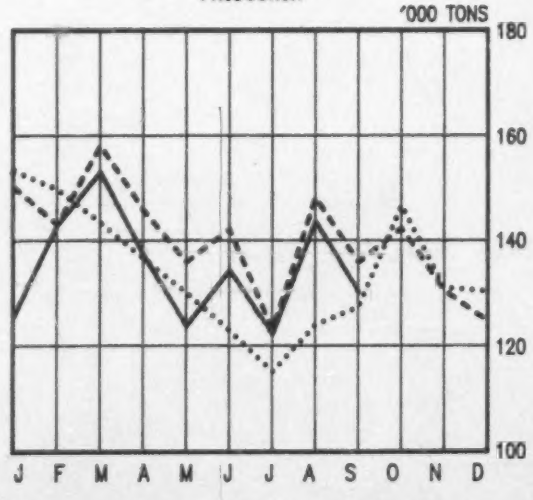
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1980 ····· 1981 - - - - - 1982 ——

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 1980	YEAR 1981	MAY 1982	JUNE 1982	JULY 1982	AUG. 1982	Annual Rate Y-T-D 1982	% Change From same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	50737	52041	4265	4181	3730	4226	50188	-5.3
- Imports	4051	4087	302	287	288	350	3616	-14.3
- Exports	3808	3878	326	302	281	278	3481	-8.0
- New Supply	50982	52450	4241	4148	3758	4287	50311	-8.0
Dissolving Pulp - Production	1508	1353	108	72	55	100	1132	-18.8
- Imports	283	248	10	15	8	21	182	-20.4
- Exports	788	784	88	55	32	80	633	-18.8
- New Supply	1002	817	48	32	30	81	691	-19.1
Paper Grades - Production	40438	41445	3388	3334	2868	3438	40143	-4.8
Chemical Pulp - Imports	3815	3855	278	259	286	315	3286	-13.7
- Exports	2838	2870	256	245	228	214	2836	-2.4
- New Supply	41095	42230	3423	3348	3008	3538	40573	-5.8
Groundwood and - Production	4787	5320	433	428	407	403	5118	-4.0
Thermo-Mech. - Imports	173	183	12	12	18	14	138	-19.3
- Exports	81	24	1	2	1	4	22	-15.8
- New Supply	4838	5478	445	438	423	413	5234	-4.5
Semi-Chemical - Production	4028	3824	325	328	300	288	3792	-8.3
- Imports	0	0						
- Exports	0	0	------	Included	with	Groundwood	Pulp	------
- New Supply	4028	3824	325	328	300	288	3792	-8.3
MARKET WOOD PULP								
Total Market - Production	8488	8208	518	492	387	525	5874	-7.0
Wood Pulp - Imports	2847	2824	173	174	188	184	2428	-17.8
- Exports	3313	3352	282	282	248	287	3154	-4.6
- New Supply	5818	5777	407	404	335	451	5148	-13.8
Dissolving Pulp - Production	1508	1352	103	72	58	100	1137	-18.3
- Imports	235	241	10	14	18	22	184	-21.8
- Exports	878	787	57	61	38	58	888	-10.9
- New Supply	885	808	58	25	32	88	883	-25.5
Paper Grades - Production	4813	4853	413	420	332	425	4738	-3.8
Chemical Pulp - Imports	2887	2834	181	157	174	170	2188	-17.5
- Exports	2588	2555	224	201	208	211	2488	-2.2
- New Supply	5012	4932	350	378	287	384	4441	-11.8
Groundwood Pulp - Production	88	1	0	0	0	0	0	-83.3
and All Other - Imports	28	48	2	3	5	2	43	-23.4
- Exports	50	10	0	0	0	0	0	0.0
- New Supply	41	40	2	3	5	2	43	-0.8

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp & Raw Materials Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

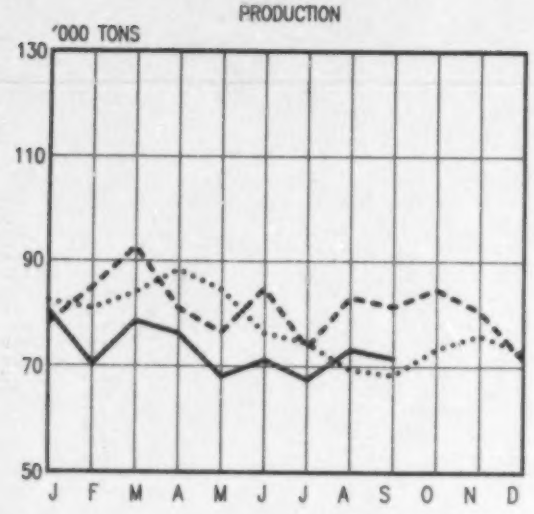
FIBROUS RAW MATERIALS
(Thousands of tons)

CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	83023	84843	5273	5171	4884	5271	82540	-5.3
Total Wood Pulp	48472	50822	4082	4035	3881	4073	48788	-5.7
Waste Paper	13551	14022	1181	1138	1033	1188	13754	-3.7
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	117	188	208	205	188	210	210	3.8
Market Pulp at Pulp Mills	238	388	433	471	444	481	481	28.8
Mkt Pulp at Ppr. & Bd. Mills *	448	454	430	385	420	413	413	-18.2
Waste Paper at Paper &Bd. Mills	1008	1218	1008	1047	1077	1011	1011	-8.7
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	18	33	33	38	38	40	40	33.3

SOURCES: Wood Pulp Data, Pulp & Raw Materials Group, API. Waste Paper Data, Paper Recycling Committee, API
* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to Five-hundred short tons

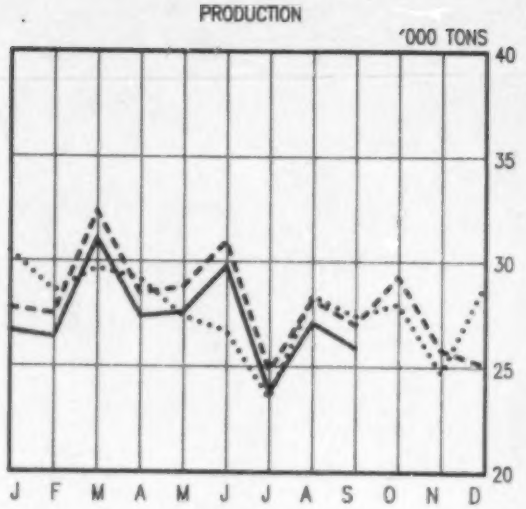
BLEACHED BRISTOLS

PRODUCTION



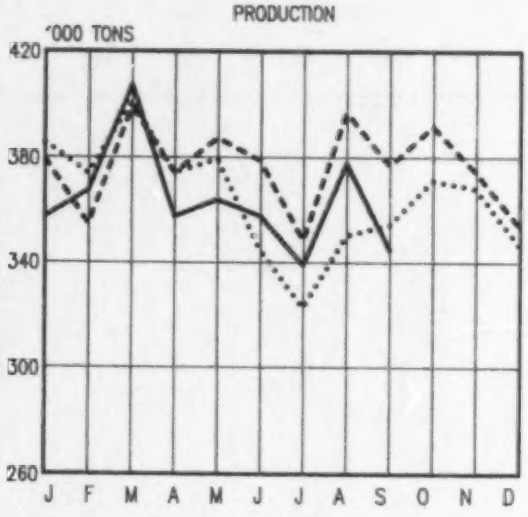
THIN PAPER

PRODUCTION



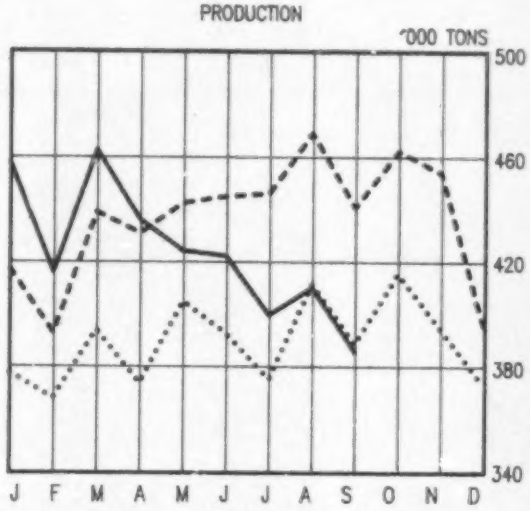
TISSUE PAPER

PRODUCTION



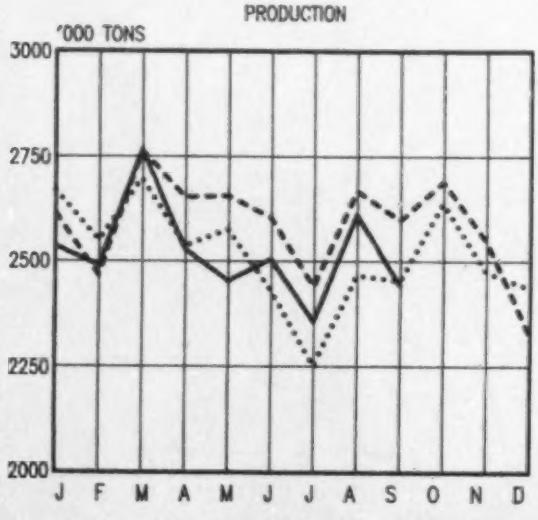
NEWSPRINT

PRODUCTION



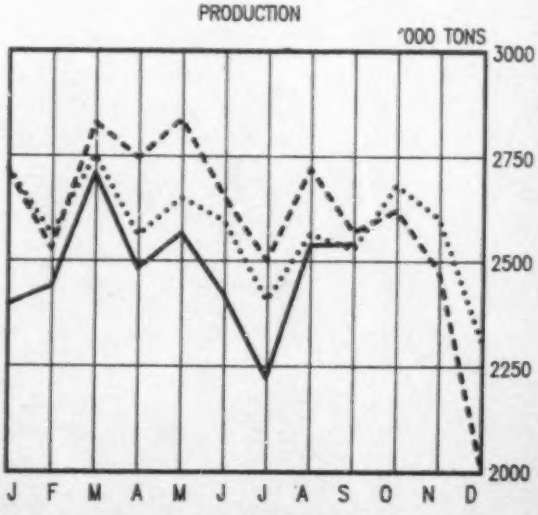
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1980 ····· 1981 - - - - - 1982 ——

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic Foot) Cords)

		YEAR 1980	YEAR 1981	MAY 1982	JUNE 1982	JULY 1982	AUG. 1982	Annual Rate Y-T-D 1982	% Change From same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	81805	78547	6241	6883	6844	6784	78264	-2.2
	- Total Consumpt.	78574	78747	6300	6737	6389	6758	78382	-1.7
	- Residues *	29402	30580	2504	2758	2586	2783	30484	-2.4
	- Inventories	8285	8045	4748	5738	5023	5156	5156	-7.1
So. Atlantic	- Total Receipts	28742	24881	1888	2042	1787	2038	23442	-5.8
	- Total Consumpt	25743	24815	1918	2045	1788	2080	23744	-6.3
	- Residues *	8778	8770	822	884	810	728	8030	-8.3
	- Inventories	1158	1051	865	811	821	977	977	17.9
Northeast	- Total Receipts	7710	7803	538	639	855	641	7428	-3.6
	- Total Consumpt	7487	7712	618	587	584	583	7358	-5.1
	- Residues *	1848	1382	118	130	118	128	1408	-1.2
	- Inventories	724	835	482	523	581	618	618	-8.3
South Central	- Total Receipts	27508	27744	2178	2237	2238	2184	26483	-4.0
	- Total Consumpt	27074	27887	2228	2288	2281	2230	27504	-1.4
	- Residues *	8001	8823	680	715	733	748	8480	-8.4
	- Inventories	1830	1825	1308	1281	1288	1270	1270	-7.0
North Central	- Total Receipts	5814	5850	405	478	505	518	5504	-2.7
	- Total Consumpt	5282	5708	470	455	478	510	5693	-1.4
	- Residues *	1361	1439	125	114	118	130	1364	-4.3
	- Inventories	1210	1108	888	818	858	880	880	-22.4
West	- Total Receipts	14330	13869	1220	1487	1448	1415	15388	8.8
	- Total Consumpt	13878	13825	1088	1372	1268	1333	15063	8.1
	- Residues *	9815	10088	858	1105	1018	1041	11232	9.7
	- Inventories	1383	1428	1223	2204	1377	1413	1413	-10.1

* - Consumption of Residues in Cord Equivalents. SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 1981 Tons	YEAR 1981 $000	JULY 1982 Tons	JULY 1982 $000	AUG. 1982 Tons	AUG. 1982 $000	Annual Rate Y-T-D 1982	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic Feet)	188317	9878	5371	232	4884	214	83083	-46.8
Pulpwood Chips	1884850	51384	131802	3844	130813	3483	1781533	-0.0
Wood Pulp, Total	3800713	1848888	288417	108088	333827	134110	3351105	-15.4
Waste Fibrous Materials, Total	120488	21238	8905	1841	12228	2480	121445	-1.1
Paper, Board & Products,Total	8037877	3282788	553430	234283	627718	258158	7638811	-5.0
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd.	8001585	3218080	550288	228722	623788	252014	7597314	-5.1
Paper Paperboard & Products	7875713	3210134	514341	226545	580807	248618	7300843	-4.4
Paper & Paperboard, Only	7838420	3148427	511207	220873	578678	242477	7258145	-4.5
Paper, Total	7508823	3112817	502484	218745	567344	240251	7183338	-4.0
Newsprint	6835875	2807548	448475	181083	508381	208825	6530825	-5.4
Printing,Writing & Rel.Par.	482408	242844	47319	23434	52278	28258	580854	21.8
Pack. & Ind. Conv. Paper	82414	54433	5085	3823	5972	4337	82888	-29.6
Special Industrial Paper	2278	3838	155	278	220	385	1707	-33.2
Tissue Paper	8748	4452	480	330	516	345	5887	-8.1
Paperboard, Total	128587	33510	8713	2227	8334	2227	85808	-31.7
Convtd Paper&Paperbd Products	36282	83708	3134	5572	3828	8142	41488	29.8
Wet Machine Board	1084	573	108	81	75	43	1075	1.8
Construction Paper & Board	381101	72080	38880	7888	47038	9484	337083	-15.1

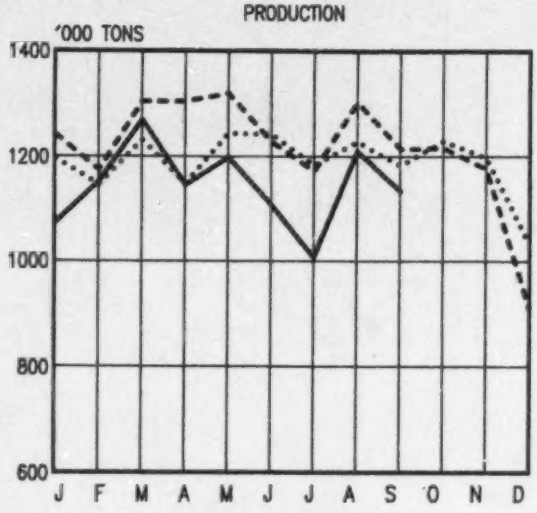
EXPORTS TO CANADA

Pulpwood, Roundwood (in cords of 128 cubic Feet)	185312	10444	8708	887	10188	854	114383	-31.5
Pulpwood Chips	38471	1525	1834	75	777	33	27435	-29.8
Wood Pulp, Total	118821	58740	5515	2586	8587	4903	115314	-10.3
Cotton Pulp & Other Pulp	5800	3880	471	280	388	272	5848	-13.0
Waste Paper	358523	41185	19843	2343	22581	2803	252238	-33.8
Paper, Board & Products,Total	885882	504804	38448	30503	43780	33388	508483	-32.8
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	527488	385270	28881	20541	28258	20332	382880	-37.1
Paper, Paperboard & Products	636327	488875	37308	29804	41823	32358	484400	-31.7
Paper & Paperboard, Only	487822	350041	28838	18842	27402	18502	341887	-36.1
Paper, Total	278138	247808	14485	13532	12803	13202	183824	-38.7
Newsprint	8435	8155	428	388	230	182	2807	-72.8
Printing,Writing & Rel.Par.	182823	134132	7882	6850	7408	6458	108173	-40.5
Pack. & Ind. Conv. Paper	24385	17448	1788	1131	2078	1248	18885	-23.8
Special Industrial Paper	75854	84471	4017	5015	2848	5138	50278	-37.3
Tissue	8858	5800	181	188	143	184	3333	-53.7
Paperboard, Total	208888	102235	12374	6310	14588	6300	137874	-31.4
Convtd Paper&Paperbd Products	188505	139834	10487	8982	14521	13058	142503	-18.2
Wet Machine Board	7201	4215	418	222	257	182	4802	-30.8
Construction Par & Bd, E	32484	11014	1724	477	1600	838	17280	-52.9

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

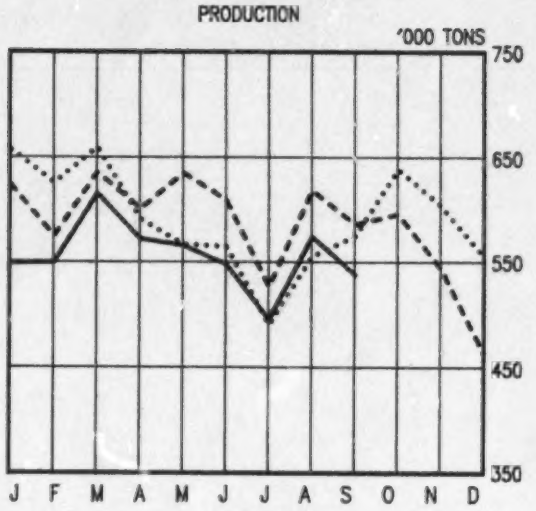
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



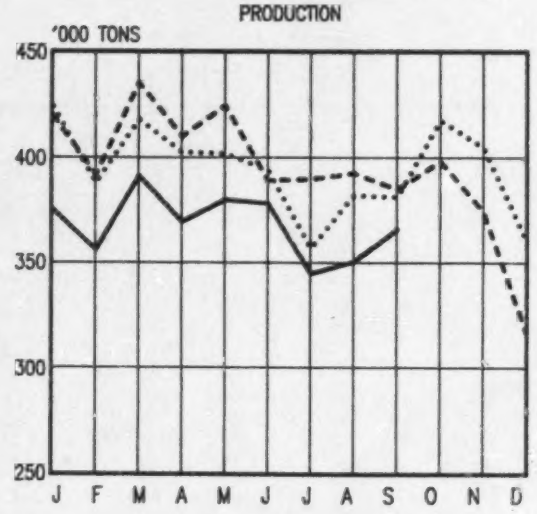
RECYCLED PAPERBOARD

PRODUCTION



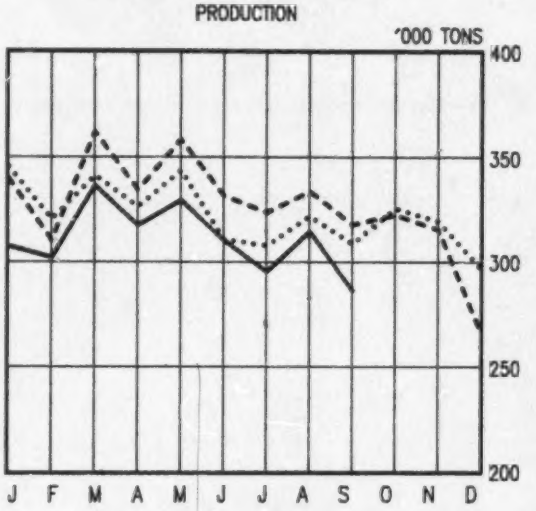
SEMICHEMICAL PAPERBOARD

PRODUCTION



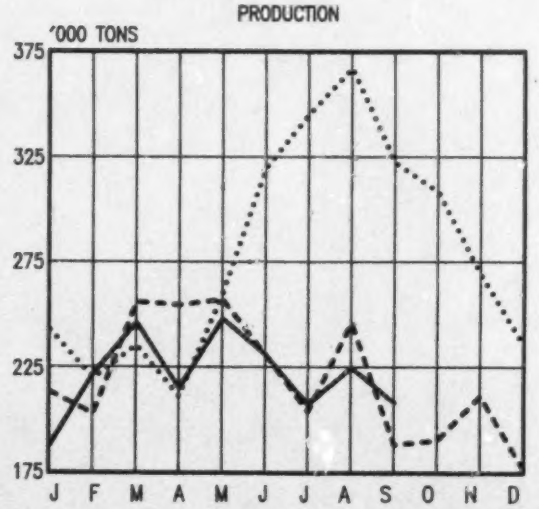
SOLID BLEACHED PAPERBOARD

PRODUCTION



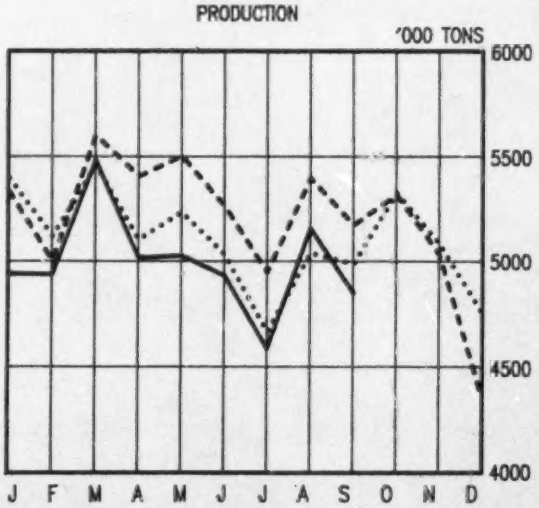
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1980 ····· 1981 - - - - 1982 ——

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 1981 Tons	YEAR 1981 $000	JULY 1982 Tons	JULY 1982 $000	AUG. 1982 Tons	AUG. 1982 $000	(1) Annual Rate Y-T-D 1982	% Change From same Period Last Year
Pulpwood, Roundwood (cords)	188331	9876	5371	232	4884	214	83050	-48.8
Pulpwood Chips	1684969	51400	131802	3844	130813	3485	1766934	0.3
Total All Imports	12358288	3488721	885068	382868	1027725	440615	11702882	-7.8
Wood Pulp, Total	4086698	1784288	288975	116870	350018	138188	3813820	-14.3
Waste Paper	78084	13405	4834	583	6308	738	68282	-17.3
Other Fibrous Materials	54378	18535	6047	1988	7098	2320	70415	32.8
Paper, Board & Products,Total	8338150	3672483	585110	273424	664301	298344	7948286	-4.7
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	8244842	3361888	578328	243524	654017	267864	7842874	-5.0
Paper, Ppbd & Prds ex Cnst&WMB	7840870	3582888	543388	265081	613577	287847	7372178	-4.2
Paper & Paperboard, Only	7848783	3282364	534584	235191	603293	257187	7486787	-4.5
Paper, Total	7716283	3247847	525750	232828	593755	254737	7369884	-4.9
Newsprint	6877118	2824777	458832	185817	518700	212800	6584987	-5.3
Printing & Writing	638538	347116	58385	31587	65855	35201	702183	14.5
Uncoated Groundwood	458815	218847	41833	19888	41486	19885	474385	6.8
Uncoated Book	114422	64874	9788	5594	14806	8014	137537	23.4
Coated Print.& Impres. Par	38321	28785	5080	3427	8848	4844	58481	44.1
Bristols	810	856	18	18	42	47	367	-32.7
Writing and Similar Paper	12855	15478	2022	1868	1859	1377	23187	85.1
Thin (except Cigarette)	12015	17847	877	1013	832	823	10247	1.3
Total Pkg & Other Paper	83588	71124	5813	4883	7273	6053	75410	-28.4
Unbleached Kraft Paper	32532	14870	1474	842	1198	581	21824	-44.0
Other Pkg. & Indust. Paper	81096	58254	4438	4221	6074	5482	53788	-15.8
Tissue	7040	4830	810	460	828	883	7144	8.1
Paperboard, Total	130478	34518	8835	2363	8538	2430	87103	-31.3
Test or Containerboard	48189	12071	2388	567	2385	483	28258	-33.7
Semi-Chemical Corrugating	52478	11685	3542	785	4449	900	39323	-21.8
Other Paperboard	29832	10751	2927	1031	2884	1037	29520	-1.3
Convtd Paper&Paperbd Products	84208	310805	8782	28900	10284	30878	105382	17.8
Paper Products, Total	88878	284478	7883	27585	8838	27380	81911	11.4
Paperboard Products, Total	7531	16126	1098	2335	1845	3298	13481	84.1
Wet machine Board	1884	1185	141	85	174	120	1741	3.0
Construction Paper & Board	398486	78338	41802	8248	50550	10277	374347	-14.1
Notes								
Other: No Weight Avail. ($000)		108042		13988		12751	118783	7.4
Total Imports Incl. Other($000)		3578763		408834		453388	5387908	-2.8

EXPORTS

	YEAR 1981 Tons	YEAR 1981 $000	JULY 1982 Tons	JULY 1982 $000	AUG. 1982 Tons	AUG. 1982 $000	(1) Annual Rate Y-T-D 1982	% Change From same Period Last Year
Pulpwood, Roundwood (cords)	188588	10555	9838	678	10434	684	118725	-30.6
Pulpwood Chips	3848049	314037	284523	24138	178703	14644	2882581	-28.7
Total All Exports	10883148	4805814	787282	348085	804082	340678	10138508	-8.4
Wood Pulp,Total	3877835	1881311	280752	104439	278804	118530	3490882	-8.0
Cotton Pulp and Other Pulp	131810	85185	8040	4555	7582	4856	107250	-20.0
Waste and Old Paper	2212548	288526	173180	18702	182783	18288	2278875	-2.0
Paper, Board & Products,Total	4641054	2890782	357320	218388	334803	203005	4283320	-12.8
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	4033888	2078837	316532	152151	285684	143144	3743088	-12.2
Paper, Ppbd & Prod ex Cnst&WMB	4581410	2853148	351856	217318	331467	201217	4201410	-12.7
Paper & Paperboard, Only	3854344	2042303	311088	150077	282358	141357	3881177	-11.8
Paper, Total	1008409	848775	87803	58188	87128	53808	901548	-12.7
Newsprint	270460	138702	26358	12671	24514	10881	328455	30.3
Printing & Writing	383317	354808	20443	20175	20221	18471	257334	-38.8
Uncoated Groundwood	119873	81888	8374	4811	5570	4184	83771	-48.7
Clay Coated Paper	88587	78328	5988	4838	8241	5084	78226	-13.3
Uncoated Free Sheet	118752	118581	5580	6841	5500	5320	74311	-40.8
Other Printing & Writing	58295	84723	2521	3585	2908	3683	40026	-37.7
Total Pkg. & Other Paper	302887	304823	18174	21423	20844	22788	288817	-7.8
Unbleached Kraft	110801	50880	5358	2521	7311	3232	88115	-24.2
Other Pkg. & Indust. Paper	192086	253843	13817	18903	13533	19557	200802	2.2
Tissue	51745	47842	1828	1917	1548	1885	25843	-57.8
Paperboard, Total	2845835	1195529	243285	93881	225230	87551	2779828	-11.8
Solid Wood Pulp	2772413	1110744	234815	88656	208718	80840	2633898	-10.7
Total Linerboard	1873487	660285	169581	50878	156851	48802	1875411	-12.3
Bleached Kraft Linerboard	151879	52548	6850	2343	4908	1874	58436	-88.8
Unbleached Kraft Linerbd	1821509	807739	162731	48335	152042	48128	1815875	-7.3
Other Unbleached Kraft	148835	63341	11518	4382	10083	4574	155604	-2.8
Other Bleached Kraft	594250	367530	48832	32507	38428	25886	541782	-7.5
Semi-Chemical Corrugating	85821	18588	4884	2080	2257	868	81218	-8.0
Recycled Paperboard	173522	84784	8370	4235	18511	8811	145634	-23.0
Convtd Paper&Paperbd Products	807088	810845	40789	87238	38108	39860	520233	-18.0
Paper Products, Total	382337	380802	26443	52812	22682	42832	320070	-13.3
Paperboard Products, Total	244728	230243	14328	14827	16427	17028	200163	-24.3
Wet Machine Board	10812	7038	1320	807	581	397	11080	2.4
Construction Paper & Board E	88832	30585	4145	1488	2755	1391	50820	-32.5
Notes								
Other: No Weight Avail. ($000)		11235		748		723	9808	-8.1
Total Exports Incl. Other($000)		4917049		348831		341411	4467917	-11.3

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.
(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES

1967 = 100

	1980	1981	JUNE	JULY	AUG.	SEPT	Annual Rate Y-T-D 1982	% Change From Same Period Last Year
Pulp, Paper and Products except Building Grades	230.6	270.8	274.6	272.9	272.6	271.8	274.6	2.0
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	251.3	272.4	277.3	275.8	275.3	274.4	277.3	2.5
Total Wood Pulp	380.3	387.1	380.3	370.5	369.2	367.2	380.3	-0.7
Total Paper	256.8	278.8	288.2	287.0	286.1	286.0	288.2	3.8
Total Paper, exc. Newsprint	248.3	271.1	278.4	278.9	278.8	278.4	279.5	4.1
Newsprint	278.7	307.5	321.0	318.4	318.4	318.4	318.2	4.8
Total Paperboard	234.6	258.1	255.8	255.0	255.5	250.7	257.7	0.2
Total Paper and Paperboard #	248.8	273.1	278.1	277.0	276.7	274.8	278.6	2.8
Converted Products	238.5	258.8	283.0	284.8	284.4	284.2	284.4	2.7
Waste Paper	208.7	175.7	115.2	115.8	116.0	116.0	122.8	-33.2
All Commodities	288.8	283.4	299.4	300.8	300.4	299.5	299.0	2.2
Industrial Commodities	274.8	304.1	310.7	313.0	313.4	312.8	311.5	3.1

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

Sales and Earnings
24 Paper and Allied Products Companies

	Sales			Earnings			Earnings % Sales	
	1982	1981	% Change 82/81	1982	1981	% Change 82/81	1982	1981
	(Million Dollars)			(Million Dollars)				
First Quarter	8,290	8,926	-7.1	270	479	-43.6	3.3	5.4
Second Quarter	8,532	9,371	-9.0	303	536	-43.5	3.6	5.7
Third Quarter	8,505	8,992	-5.4	320	408	-21.6	3.8	4.5
Nine Months	25,326	27,288	-7.2	893	1,424	-37.3	3.5	5.2

the last three months of 1981, continuation of the current rate of shipments through the remainder of 1982 would still leave the 1982 total about 4% below the 246 billion square feet shipped in 1981.

Inventories of containerboard at mills and plants in September 1982 continued the downtrend evident during most of this year. As of the end of September, total inventories were equivalent to 6.7 weeks of supply at September rates of consumption, compared to 9.4 weeks of supply at the beginning of the year. The actual reduction of inventories amounted to 328,000 tons. Although inventories at mills have been declining since July, the October 1 level was still about 65,000 tons higher than that of the beginning of the year, while inventories at containerboard plants dropped about 394,000 tons.

The rising trend in total paper and board production evident in September did not carry forward into the early weeks of October. While there does tend to be some volatility in the weekly production data, the production of both paper and board in October normally tend to be seasonally high. On the positive side, weekly data on orders for printing paper indicate that they have held fairly steady during the past two months at levels well above the lows of the second quarter of the year. Similarly, data on unmade orders indicate some strength in the solid bleached board area, although unmade orders for recycled paperboard have not shown any particular strength.

Imports and Exports

Primary paper and paperboard imports in the first eight months of 1982 ran about 4.5% below their year-ago total. There was some recovery from the July low of 535,000 tons -- to an August level of 603,000 tons -- but these rates were well below the levels reached during most of the months in the first half of the year. The major imported product is, of course, newsprint, which was down by 5.3%. As noted in the production section, newspaper publishers have been reducing their inventories as the threat of work stoppages disappeared. Imports of printing/writing papers, however, have shown some increase; at an annual rate of over 700,000 tons in the first nine months of the year, they were 14.5% above the comparable year-ago total. Imports of uncoated groundwood, at 474,000 tons per year, were 7% above the year-ago. This is equivalent to 33% of the 1.42 million tons per year rate of domestic production indicated for the first nine months of 1982. Imports of uncoated book papers showed a 28% increase, although the 138,000 tons per year rate, even when combined with the 23,000 tons per year of writing papers, was equivalent to only 2% of the 7.8 million tons per year production rate of uncoated free sheet. Imports of coated papers showed a particularly strong growth trend, moving 44% ahead of the year-ago level. Here too, the tonnage rate was fairly low; at 56,000 tons per year, it was equivalent to a little over 1% of the 4.99 million tons per year rate of domestic shipments of these papers.

Continued on Page 12

Continued from Page 11

Primary exports were down more sharply, with the eight month total of paper and paperboard exports 11.8% below the comparable year-ago level. Paper exports, which had moved above the million ton level in 1981, were about 900,000 tons per year, with the July-August levels well below the totals reached in most months of the first half of the year. Newsprint exports, however, at 329,000 tons per year, were 30% above their year-ago level. The increase in these exports, largely reflecting the expansion of domestic newsprint capacity, accounted for about 6% of domestic newsprint production.

The total value of exports, including the construction grades, was about $4.5 billion per year in the first eight months of 1982. This was 11% below the year-ago level. The value of imports, at a rate of $5.4 billion per year, was down only 2.8%.

Sales and Earnings

Data on sales and earnings of 24 paper companies reported in the business press showed that third quarter sales, at $8.5 billion for these companies, held close to second quarter levels and were about 2.6% above the total reached in the first quarter of the year. Nonetheless, the nine month 1982 sales total was 7.2% below the comparable 1981 total. The year-to-year decline reflected not only the drop in paper and paperboard production, as noted in the earlier sections of this report, but also weakness in the non-paper sectors of these companies. Some of these companies have substantial operations outside the paper and allied products industry, including, but not restricted to, the wood products industries, where the earnings contractions have been large.

Earnings of these 24 paper and allied products companies in the third quarter of 1982 were above those of the first two quarters of 1982. Nonetheless, for the nine months as a whole, earnings were 37% below the comparable 1981 level. However, these earnings included some non-operating profits that could not readily be calculated on an after-tax basis. At the same time, they also excluded certain clearly described non-operating losses.

With earnings down by a greater percentage than sales, the margin on sales in 1982 for these companies moved well below their year-ago levels. Nonetheless, the sales margin of these companies in the third quarter of 1982, at 3.8%, was above the rates of both the first and second quarters, and well within one percentage point of the 4.5% margin shown by these companies in the third quarter of 1981. For the period as a whole, the 1982 margin averaged 3.5%, compared to 5.2% for the comparable period of 1981.

The data for these companies is shown in the lower panel on Page 10.

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

OCTOBER 28, 1982

PRODUCTION (000 TONS)

	Sept 1982	Aug. 1982	Sept 1981	Jan - Sept 1982	Jan - Sept 1981	% Change 82/81
PAPER GRADES	P	R				
Newsprint	386	411	441	3816	3926	-2.8
Printing & Writing	1277	1355	1327	11657	11902	-2.1
Uncoated Groundwood (s)	121	124	111	1069	1096	-2.5
Coated Paper (s)	422	443	434	3742	3713	0.8
Uncoated Free Sheet Paper (s)	627	678	663	5851	6008	-2.6
Thin Paper (s)	26	27	27	246	256	-4.0
Cotton Fiber Paper (s)	10	10	10	92	93	-1.2
Bleached Bristols (s)	72	73	81	657	737	-10.8
Tissue Paper	345	378	377	3275	3397	-3.6
Total Pkg & Other Paper	437	469	454	3952	4247	-6.9
Unbleached Kraft Packaging & Indl. Converting (s)	307	326	319	2740	2967	-7.6
Other Paper *	130	144	136	1212	1281	-5.4
TOTAL PAPER	2444	2612	2599	22701	23472	-3.3
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1213	1302	1284	11085	12071	-8.2
Unbleached Kraft Linerboard	1131	1207	1212	10277	11243	-8.6
Other Unbl. Kraft Paperboard	82	95	72	808	828	-2.5
Semichemical Paperboard	365	350	384	3306	3632	-9.0
Bleached Paperboard	286	314	317	2796	3007	-7.0
Recycled Paperboard	537	573	585	4998	5400	-7.4
TOTAL PAPERBOARD	2401	2540	2570	22184	24110	-8.0
TOTAL PAPER AND PAPERBOARD	4846	5152	5169	44885	47582	-5.7

WOOD PULP (ALL GRADES)	Aug. 1982	July 1982	Aug. 1981	Jan - Aug. 1982	Jan - Aug. 1981	% Change 82/81
Dissolving & Special Alpha	100	55	138	755	929	-18.8
Bleached Sulphite	104	95	115	862	960	-10.2
Unbleached Sulphite	30	27	40	229	267	-14.0
Bleached & Semi-Bl. Sulph.	1727	1490	1749	13372	13534	-1.2
Unbleached Sulphate	1576	1357	1698	12299	13390	-8.1
Semichemical	286	300	329	2528	2699	-6.3
Groundwood and Thermo-Mechanical	403	407	471	3412	3555	-4.0
TOTAL PULP DIVISION DATA	4226	3730	4540	33457	35334	-5.3

(s) - Shipments R - Revised E - Estimate
P - Preliminary * - Revised series based on A.P.I. data.

October 28, 1982

	Full Year		INDUSTRY DATA			Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1980	1981	July	August	September		
Total Production (API)..... excluding	61147	62274	4581	5152	4846	58847	-5.7
Total Seasonally Adjusted.... construction			4855	4870	5056	58502	-5.7
Imports (including Products). and wet	8302	7941	543	614	N.A.	7531	-3.5
Exports (including Products). machine	5148	4561	352	331	N.A.	4135	-12.9
Apparent Consumption..... grades	64301a	65654b	5048	5253	5356	62898c	-5.0
Paper Production % Tonnage Capacity.....	92.5a	92.3a	78.8	85.2	82.1	86.4ah	-
Paperboard Production % Tonnage Capacity.....	91.8a	91.2a	72.1	82.8	80.4	83.8a	-
			June	July	August		
IMPORTS.....Including Construction and	8778	8339	705	585	664	7948	-4.7
EXPORTS..... WMB Grades (excl. HPB)	5214	4641	387	357	335	4263	-12.9
MARKET WOOD PULP PRODUCTION - Tons (000).....	8486	6206	482	387	525	5874	-7.0
TOTAL WOOD PULP PRODUCTION - Tons (000)..(F)....	50737	52041	4161	3730	4226	50186	-5.3
WOOD PULP IMPORTS - TONS (000).....	4051	4087	287	289	350	3616	-14.3
WOOD PULP EXPORTS - TONS (000).....	3806	3678	302	261	279	3491	-6.0
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS excluding			June	July	August		
Wood Pulp.....consumption for	48472	50822	4035	3861	4073	48786	-5.7
Waste Paper.....construction &	13551	14022	1136	1033	1198	13754	-3.7
TOTAL..... WMB grades	63023	64843	5171	4894	5271	62540	-5.3
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	78574	78747	6737	6389	6758	78362	-1.7
EMPLOYMENT (000)			July	August	September		
Paper and Allied Products.....Total.....	682.8	687.8	657.9	658.4	661.2	662.7	-4.0
Pulp, Paper and Board Mills.....Total.....E	268.4	265.6	256.8	256.0	257.1	257.3	-3.9
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products.....	7.84	8.80	9.41	9.44	9.62	9.23	8.6
Pulp, Paper Mills.....E	9.15	10.06	11.02	11.11	11.30	10.78	8.5
Paperboard Mills.....E	9.28	10.23	11.09	11.22	11.40	10.95	8.0
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1982 Q2	1982 Q3	1982 Q4		
(Repr. by US Dept. of Com., Ann. Rates, Bill.$)e	6.80	6.72	6.04	6.48	6.48	6.28	-6.6
INDEX OF OUTPUT PER MAN-HOUR (1977=100).....			July	August	September		
IN PULP, PAPER ...Production Workers.....	108.1	108.0	107.9	113.2	113.5	110.3	0.9
AND BOARD MILLS ...All Employees.....	108.6	107.9	105.8	111.0	111.9	108.4	0.1
PAPER AND ALLIED PRODUCTS (Million $)			June	July	August		
Industry Shipments (Dept. of Commerce)*.....	72731	78305	6425	6478	6598	78336	-1.2
Pulp, Paper and Paperboard*.....	31785	34260	2677	2650	2674	32717	-3.7
Inventories (End of Period) - Total Industry*.	7788	8825	8757	8734	8730	8730	3.4
Pulp, Paper and Paperboard*.....	2931	3461	3576	3608	3616	3616	15.8
			1981 Q4	1982 Q1	1982 Q2		
Sales (Corporations Only, FTC).....	56250	62899RS	15402	15125	15316	60882	-2.5
Earnings (Corporations Only, FTC).....	2800	3110RS	829	418	436	1708	-48.2
Depreciation (Corporations Only, FTC).....	2026	2267RS	558	580	602	2364	5.4
Net Worth (Corporations Only, FTC).....	24396	26558RS	26558	26825	26887	26887	4.5
PRICE INDEXES (Bureau of Labor Stats)1967=100			July	August	September		
Pulp, Paper & Products, ex. Building Grades...	250.6	270.8	272.9	272.6	271.8	274.6	2.0
Wood Pulp.....	380.3	397.1	370.5	368.2	367.2	380.3	-0.7
Waste Paper.....	208.7	175.7	115.6	116.0	116.0	122.8	-33.2
Paper.....	256.8	278.8	287.0	286.1	286.0	286.2	3.9
Paperboard.....	234.6	258.1	255.0	255.5	250.7	257.7	0.2
PAPER DEMAND (INDEXED: 1967=100)			July	August	September		
Total Paper Production *.....	143.9	148.4	144.9	144.3	145.6	144.2	-3.3
Paper New Supply *.....	136.1	137.9	130.8	133.6	134.4	133.7	-3.0
Total End - Use Index *.....	146.3	150.3	149.8	150.7	151.0	150.0	-0.3
Production of Nondurable Goods *...(19%)..	161.2	164.7	155.9	156.9	157.4	156.3	-5.9
Disposable Income (Constant $) *...(23%)..	151.0	154.3	158.7	158.3	158.2	157.4	2.3
Total Printing and Publishing *...(58%)..	138.5	144.0	144.3	145.6	146.0	144.9	0.8
Trend Factor			Not Available				
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *.....	135.4	137.1	122.3	128.9	132.4	128.4	-8.0
Production for Domestic Use	128.3	132.9	118.1	124.1	128.7	123.8	-8.5
Total End - Use Index *.....	146.1	149.3	141.1	140.0	139.6	140.4	-6.9
Production of Consumer Goods *...(60.49%)	145.4	147.8	145.9	144.4	144.4	143.1	-3.9
Production of Equipment *...(5.62%)	145.2	151.8	137.6	135.8	134.6	141.2	-6.9
Production of Materials *...(32.88%)	147.6	151.5	132.9	132.9	131.8	135.3	-12.1
Trend Factor			Not Available				
NEWSPRINT MARKETS			June	July	August		
Consumption by Publishers - Tons (000).....	11121	11205	886	848	880	10835	-0.7
Newspaper Pub. and Printing Empl. Total(000)..	422.8	421.9	425.3	424.9	423.6	424.7	1.2
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.).....	118372	122525	9003	7828	7379	111467	-0.9
WHOLESALERS SALES AND INVENTORIES (Million $)(J)							
Total Paper & Par. Prdcts..ex Wallpaper..Sales	21298	24381	2137	1989	2116	24504	2.2
Inventories (End of Period)	1849	2095	2076	2168	2184	2184	6.3
FIBRE BOX DATA (Fibre Box Association)			July	August	September		
Fibre Box Shipments (Million square feet).....	241378	248152	18822	20431	20657	238421	-5.8
Container'bd Inventory at Mill & Plant(000Tons)	1984	2729	2595	2553	2402	2402	-2.0
RETAIL TRADE (Million $)							
Total Retail Sales *.....	953984	1044587	88445	88563	89482	1059891	1.5
Nondurable Goods Stores Sales *.....	656231	716282	62042	61982	62268	733428	2.9
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	147.0	150.9	138.8	138.1	137.3	139.7	-8.3
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	288.8	293.4	300.8	300.4	299.5	299.0	2.2
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	246.8	272.4	292.2	292.8	293.3	287.7	6.7
			June	July	August		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	313.5	333.4	331.9	332.5	333.8	333.8	3.0
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billions$).			1982 Q1	1982 Q2	1982 Q3		
G.N.P. or Expenditure - Current $.....	2633.1	2937.7	2995.5	3045.2	3091.4	3044.0	4.4
G.N.P. or Expenditure - 1972 $.....	1474.0	1502.6	1470.7	1478.4	1481.2	1476.8	-2.0

lb/capita
Pap&Parbd Othr Totl Popul(mil)
.a - 365 ÷ 28 = 581 227.7
.b - 571 ÷ 21 = 592 229.7
.c - 543 ÷ 15 = 558 231.8
.E - Last month estimated by API
.e - estimated by API

a - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
J - Census unpublished data; standard dev. = 6-8%
N.A. - Not Available
P - Preliminary
Q - Quarter
R - Revised
RS - Revised Series
y - Full year estim. by U.S. Dept. of Com.
* - Seasonally Adjusted